

# Maher Al Sayegh

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## Professional Summary

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Computer and Communication Engineering graduate with academic experience in software development through coursework and projects involving Python, MATLAB, and embedded systems. Possesses foundational knowledge in programming and problem-solving, with practical exposure to applying software concepts in engineering projects. Seeking an opportunity to continue developing technical skills and contribute to software-driven projects in a collaborative engineering environment.

## Professional Experience

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**Intern - Touch, Lebanon**

**August 2024 - September 2024**

- Assisted in system virtualization tasks and supported optimization of resource utilization
- Worked with Active Directory configurations to manage user access and system permissions
- Supported troubleshooting of system-level and network-related issues.
- Collaborated with technical teams to ensure stable system integration and operation

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**Engineering Summer Camp Instructor**

**8 July 2023 - 13 July 2023**

**American University of Science and Technology**

- Taught secondary students introductory Assembly language programming concepts
- Guided students through basic hardware design and system logic
- Explained the functions and interactions of core hardware components

## Projects

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### Software & Academic Projects

- Brainterpreter: Software-focused project involving Python-based signal processing, data analysis, and visualization integrated with embedded systems.
- Transmission of Sine Waves, Audio, and Image Signals using TCP/IP: MATLAB-based software project implementing data transmission, encoding, and networking concepts.
- Data Visualization Dashboard: Developed a software dashboard to visualize and analyze data generated from an embedded system.
- Mobile Computing Application: Built a basic mobile application implementing application logic and user interaction.
- Smart Lock: Implemented embedded software logic using Arduino and sensors to control access mechanisms.

## Education

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**Bachelor of Science, Computer and Communication Engineering**

**Sept 2020 - July 2025**

- American University of Science and Technology, Beirut, Lebanon.

## Skills

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### Technical Skills

- Programming: Python, Java, C++, MATLAB.
- Software Fundamentals: Object-Oriented Programming (OOP), basic data structures.
- Networking: TCP/IP fundamentals.
- Embedded Software: Arduino-based programming, basic Assembly.
- Development Tools: Jupyter Notebook, Visual Studio / VS Code, MATLAB.

### Soft Skills

- Problem-solving.
- Teamwork & communication.

## CERTIFICATES

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<b>CCNA 1: Introduction to Networks</b>	<b>2023 - 2024</b>
Cisco Networking Academy	
<b>CCNA 2: Switching, Routing, and Wireless Essentials</b>	<b>2023 - 2024</b>
Cisco Networking Academy	
<b>Image Segmentation, Filtering, and Region Analysis</b>	<b>2023 - 2024</b>
MathWorks offered through Coursera	

## Volunteering

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<b>Lebanese Red Cross Emergency medical services</b>	<b>2024 - Active</b>
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## Language

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Arabic: Native

English: Proficient